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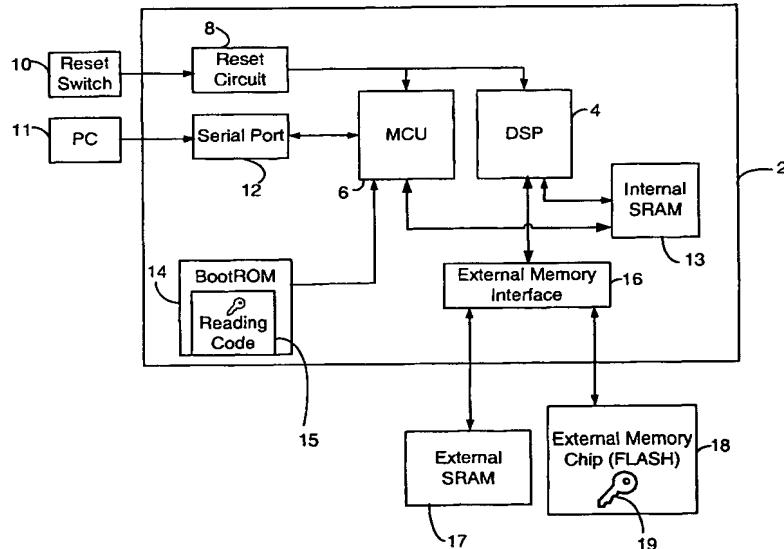
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**Declarations under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI,

[Continued on next page]

(54) Title: SECURE BOOTING OF CHIP DEVICES



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(57) Abstract: A boot method and apparatus are described which reduce the likelihood of a security breach in a mobile device, preferably in a situation where a reset has been initiated. A predetermined security value, or password, is stored, for example in BootROM. A value of a security location within FLASH memory is read and the two values are compared. Polling of the serial port is selectively performed, depending on the result of such comparison. In a presently preferred embodiment, if the value in the security location matches the predetermined security value, then polling of the serial port is not performed. This reduces potential security breaches caused in conventional arrangements where code may be downloaded from the serial port and executed, which allows anyone to access and upload programs and data in the FLASH memory, including confidential and proprietary information.



GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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## B. FIELDS SEARCHED

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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 816 970 A (SUN MICROSYSTEMS INC) 7 January 1998 (1998-01-07) column 1, line 31 - line 42 column 4, line 16 - line 20 column 4, line 24 - line 56 column 5, line 41 - line 58 ---	1-17
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Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED BE RELEVANT

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